

LISTING OF CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application.

1. (Currently amended) A seamless tubular polyimide film[[,]] ~~comprising~~ derived from an aromatic amic acid oligomer only having structural units derived from at least two aromatic tetracarboxylic acid derivatives and an approximately equimolar amount of at least one aromatic diamine, wherein

said at least two aromatic tetracarboxylic acid derivatives have a mixture of 15 to 55 mol % of asymmetric aromatic tetracarboxylic acid component and 85 to 45 mol % of symmetric aromatic tetracarboxylic acid component, and

said seamless tubular polyimide film has a yield stress (σ_Y) of at least 120 MPa and has a tensile strength to yield stress ratio (σ_{cr}/σ_Y) of at least 1.10.

2. (Currently amended) A semi-conductive seamless tubular polyimide film, wherein carbon black is dispersed in polyimide ~~having~~ derived from an aromatic amic acid oligomer only having structural units derived from at least two aromatic tetracarboxylic acid components having a mixture of 15 to 55 mol % of asymmetric aromatic tetracarboxylic acid component and 85 to 45 mol % of symmetric aromatic tetracarboxylic acid component and an approximately equimolar amount of at least one aromatic diamine component, the semi-conductive seamless tubular polyimide film having a surface resistivity of 10^3 to 10^{15} $\Omega/\text{sq.}$

3. (Previously presented) A semi-conductive seamless tubular polyimide film according to Claim 2, wherein

a log standard deviation of surface resistivity is 0.2 or smaller,

a log standard deviation of volume resistivity is 0.2 or smaller, and

a difference between a log surface resistivity and a log volume resistivity is 0.4 or smaller.

4-6. (Canceled)

7. (Previously presented) A semi-conductive aromatic amic acid composition comprising:
an aromatic amic acid oligomer only having structural units derived from at least two aromatic tetracarboxylic acid derivatives and an approximately equimolar amount of at least one aromatic diamine;
carbon black; and
an organic polar solvent,
wherein said at least two aromatic tetracarboxylic acid derivatives are a mixture of 15 to 55 mol% of asymmetric aromatic tetracarboxylic dianhydride and 85 to 45 mol% of symmetric aromatic tetracarboxylic dianhydride or a mixture of 15 to 55 mol% of asymmetric aromatic tetracarboxylic acid diester and 85 to 45 mol% of symmetric aromatic tetracarboxylic acid diester.

8. (Previously presented) A semi-conductive aromatic amic acid composition according to Claim 7, wherein the aromatic amic acid oligomer is obtained by polycondensation of a mixture of 15 to 55 mol% of asymmetric aromatic tetracarboxylic dianhydride and 85 to 45 mol% of symmetric aromatic tetracarboxylic dianhydride and an approximately equimolar amount of said at least one aromatic diamine in an organic polar solvent at about 80°C or lower.

9. (Cancelled)

10. (Previously presented) A semi-conductive aromatic amic acid composition according to Claim 7, wherein the aromatic amic acid oligomer is obtained by polycondensation of a mixture of 15 to 55 mol% of asymmetric aromatic tetracarboxylic acid diester and 85 to 45 mol% of symmetric aromatic tetracarboxylic acid diester and an approximately equimolar amount of said at least one aromatic diamine in an organic polar solvent at about 90 to about 120°C.

11. (Cancelled)

12. (Original) A semi-conductive aromatic amic acid composition according to claim 7, wherein a number average molecular weight of the aromatic amic acid oligomer is about 1000 to about 7000.

13. (Original) A semi-conductive aromatic amic acid composition according to Claim 7, wherein carbon black is present in an amount of about 3 to about 30 parts by weight per 100 parts by weight of a total amount of aromatic tetracarboxylic acid component and organic diamine.

14. (Original) A method for producing a semi-conductive seamless tubular polyimide film, comprising:

rotationally molding a semi-conductive aromatic amic acid composition according to Claim 7; followed by heating.

15. (Original) A semi-conductive seamless tubular polyimide film for use in an intermediate transfer belt in an electrophotographic system produced by a production method according to Claim 14.

16. (Previously Presented) A method for producing a semi-conductive aromatic amic acid composition comprising:

subjecting at least two aromatic tetracarboxylic acid derivatives and an approximately equimolar amount of at least one aromatic diamine to partial condensation polymerization in an organic polar solvent, thereby yielding an aromatic amic acid oligomer solution only having structural units of the at least two aromatic tetracarboxylic acid derivatives and the at least one aromatic diamine; and

uniformly mixing electrically conductive carbon black powder with the oligomer solution,

wherein said at least two aromatic tetracarboxylic acid derivatives are a mixture of 15 to 55 mol% of asymmetric aromatic tetracarboxylic dianhydride and 85 to 45 mol% of symmetric aromatic tetracarboxylic dianhydride or a mixture of 15 to 55 mol% of asymmetric aromatic tetracarboxylic acid diester and 85 to 45 mol% of symmetric aromatic tetracarboxylic acid diester.

17-32. (Canceled)